

**RECORD OF MEETING  
AMEC PROJECTS 1.5-1/1.5  
28-30 January, 2003  
Moscow, RUSSIA**

**INTRODUCTION**

Representatives of the Ministries of Defence (MOD) of Russia (RF), Norway (NOR), and the US Department of Defense (US) met in accordance with the AMEC Principals decisions on AMEC Projects 1.5 "Cooperation in Radiation Safety" and 1.5-1 "Radiation Control at Facilities – Application of the PICASSO System." The list of participants is included in Attachment 1.

**MEETING GOALS**

- Review status of the installation of PICASSO at FGUP Atomflot.
- Review the status of the Norwegian/Russian purchased dosimeters
- Review the status of US electronic dosimeters.
- RF/US ONLY: Review status of the installation of PICASSO at FGUP 10 SRZ.

**ACCOMPLISHED AND NEXT STEPS**

- PICASSO AT FGUP ATOMFLOT
  - ✓ Excerpts of technical design and installation design (storage pad module) delivered to NOR and the US under contract between FFI and FGUP ICC Nuklid, have been accepted and it has been decided to pay the invoice.
  - ✓ The Excerpt of the installation design (LRW module) was delivered to NOR and US 20 January 2003.
  - ✓ The contract for installation of PICASSO between FGUP ICC Nuklid and IBRAE RAN was signed on 19 December 2002.
  - ✓ The first deliverables under the installation contract (Preparation for purchase of materials and spare parts: Tasks 1.1.1, 1.2.1 and 1.3.1) were provided on 4 January 2003. Based on review and acceptance of these deliverables, FFI released the first \$100K in funding to FGUP ICC Nuklid. These funds were wire transferred by FFI to FGUP ICC Nuklid and received on 20 January 2003
  - ✓ An updated schedule for the installation of Picasso at FGUP Atomflot was prepared. This is included as Attachment 2. Highlights include the installation and demonstration of detectors around the SNF pad site for the 10-11 June promotional event, and completion of assembly of the system and start of operational testing by 1 September 2003.
- DOSIMETERS
  - ✓ Phase 1 of the contract between FFI and FGUP ICC Nuklid on the Russian produced KID-08S dosimeters is completed and RF has provided a report to NOR on 20 January 2003. This report includes a

copy of the certificate, and reports on input control, acceptance act, installation, training procedures and test operation program.

- ✓ Phase 2, operational testing at the FGUP 10 SRZ lasted for 3 months and has been completed. The conclusion is that the dosimeters work satisfactorily and have been put into regular use at FGUP 10 SRZ. The report on operational testing will be provided within 1 month. The project will be completed in February 2003.
- ✓ A site visit to view the performance of the KID-08S dosimeters at FGUP 10 SRZ is scheduled in connection with the promotional event at FGUP Atomflot in June 2003.
- ✓ The Russian side has requested that the readers and spare parts for the US supplied dosimeters be shipped to FGUP 10 SRZ. The RF MOD will provide a letter providing the point of contact by 7 February 2003. On receipt of this letter, the US will provide a letter to the RF MOD indicating that this equipment is being provided as gratuitous aid. On transfer of this equipment, it will be used at FGUP 10 SRZ.
- PICASSO AT FGUP 10 SRZ (RF/US ONLY)
- ✓ The US and RF opened dialog to develop a contract that will result in the construction of a PICASSO system for the PPP-RAO. Based on these negotiations, FGUP ICC Nuklid will provide to BNL by 28 February a proposal for installation. The proposed schedule for this project is shown in Attachment 3. NOR did not participate in these discussions (see next section).

## **THE EXPERTS REPORT TO THE STEERING GROUP**

- A paper on PICASSO was prepared and coordinated trilaterally and will be presented at Waste Management '03.
- Capt 1st Rank Viktor Bursuk is the RF MOD project officer.
- NOR did not participate in discussions related to installation of PICASSO at FGUP 10 SRZ. NOR does not agree to the start-up of these activities at this time for the following reasons: I) It is not yet clear that sufficient finances for establishing the PPP-RAO can be obtained. ii) The work will further strain ongoing activities for the PICASSO installation at FGUP Atomflot.
- The US and RF sides respectfully note the concerns of the Norwegian side, but do not share their concerns.
- All sides agree that it is important that the milestones for installation of PICASSO at FGUP Atomflot be met.

## **NEXT MEETING**

- A contractors meeting will be held at IBRAE-RAN in Moscow after the assembly of PICASSO-AMEC components, and prior to their shipment to Murmansk. This should occur in May 2003. Additional Contractor

meetings may be scheduled if equipment delivery dates are shortened.  
Approximate dates and purposes for the next visits are as listed:

- 10-11 June 2003 for presentation to the Interministerial Demonstration of the SNF Pad System and promotional event in Murmansk.
- 1 September 2003 for start-up of operational testing in Murmansk.

**For Russian Ministry of Defence**

**For US Department of Defense**

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Capt 1<sup>st</sup> Rank Viktor Bursuk

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CDR John Pomerville

**For Norwegian Ministry of Defence**

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Dr. Monica Endregard

**ATTACHMENT 1  
LIST OF PARTICIPANTS**

*Moscow, 28-30 January, 2003*

<b>РОССИЙСКАЯ ФЕДЕРАЦИЯ</b>	<b>RUSSIAN FEDERATION</b>
ВМФ РФ Виктор Бурсук	VMF RF Viktor Bursuk
Сервисинтертехника Александр Ермолаев	Serviseintertechnika Aleksandr Ermolaev
МКЦ «Нуклид» Лев Михайлович Чернаенко	ICC Nuclide Lev Tchernenko
ИБРАЭ РАН Владимир Павлович Киселев	IBRAE RAN Vladimir Kisselev
10 СРЗ Вадим Кузьмин	Polyarninsky Shipyard Vadim Kuzmin
<b>США</b>	<b>USA</b>
МО США К-н Джон Помервиль	US. Department of Defense CDR John Pomerville
Министерство энергетики США Эндрю Гриффит	US Department of Energy Andrew Griffith
Нац. Агентство по ядерной безопасности Винсент МакКлиланд	National Nuclear Security Administration Vincent McClelland
Министерство Энергетики США, Посольство США в Москве, Маша Базаркина	US Department of Energy, US Embassy Moscow Masha Bazarkina
Брукхевенская национальная лаборатория Пол Московитц	Brookhaven National Laboratory (BNL) Paul Moskowitz
<b>Норвегия</b>	<b>NORWAY</b>
Норвежский институт оборонных исследований Моника Эндрегард	Norwegian Defence Research Establishment (FFI) Monica Endregard
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